

FIG. 4

- 8 HEAD SECTION
- 13 TRANSPORT MOTOR
- 17 FLUSHING AREA DETECTION SENSOR
- 18 PAPER DETECTION SENSOR
- 42 MEMORY
- 51 SENSOR BOARD
- 52 MOTOR DRIVER
- 53 HEAD DRIVER
- 61 TEMPERATURE AND HUMIDITY SENSOR
- 62 FEED MOTOR

FIG. 5

PRINT PROCESSING

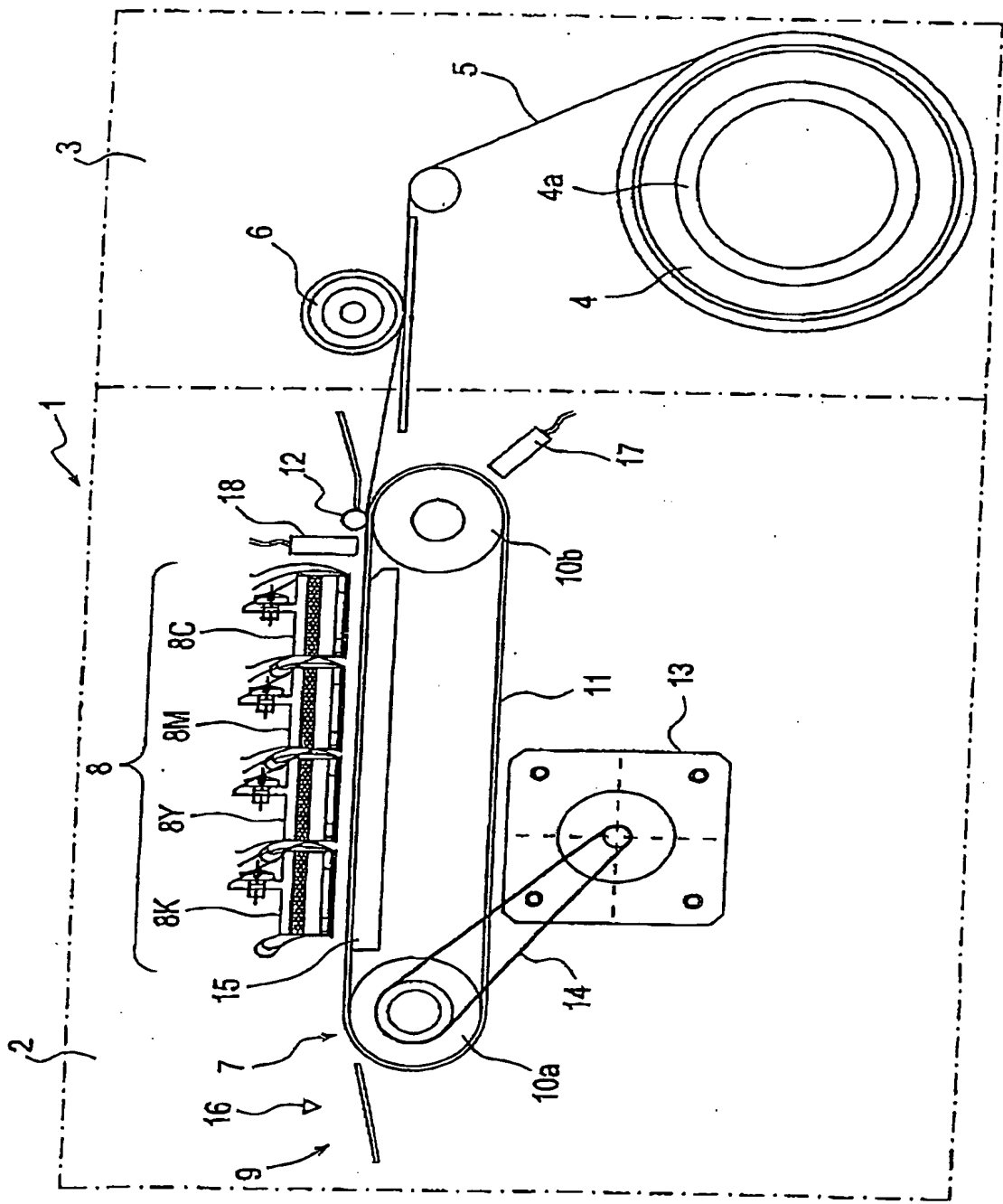
S1 FORWARD RUN BELT  
S2 FLUSHING AREA DETECTED  
S3 START COUNTER  
S4 INSERT PAPER  
S5 FLUSHING TIMING REACHED FOR EACH INK HEAD?  
S6 PERFORM SIMULTANEOUS FLUSHING  
S7 COMPLETED FOR ALL INK HEADS?  
S8 PAPER DETECTED?  
S9 PRINT ONE IMAGE  
S10 PERFORM IMAGE-TO-IMAGE FLUSHING  
S11 NOZZLE DRY LIMIT REACHED?  
S12 FLUSHING AREA DETECTED?  
S13 START COUNTER  
S14 FLUSHING TIMING REACHED FOR EACH INK HEAD?  
S15 PERFORM SIMULTANEOUS FLUSHING  
S16 COMPLETED FOR ALL INK HEADS?  
S17 END OF PRINT?  
S18 STOP BELT  
S19 PAPER CUT?  
S20 REWIND  
END

FIG. 8

PRINT PROCESSING

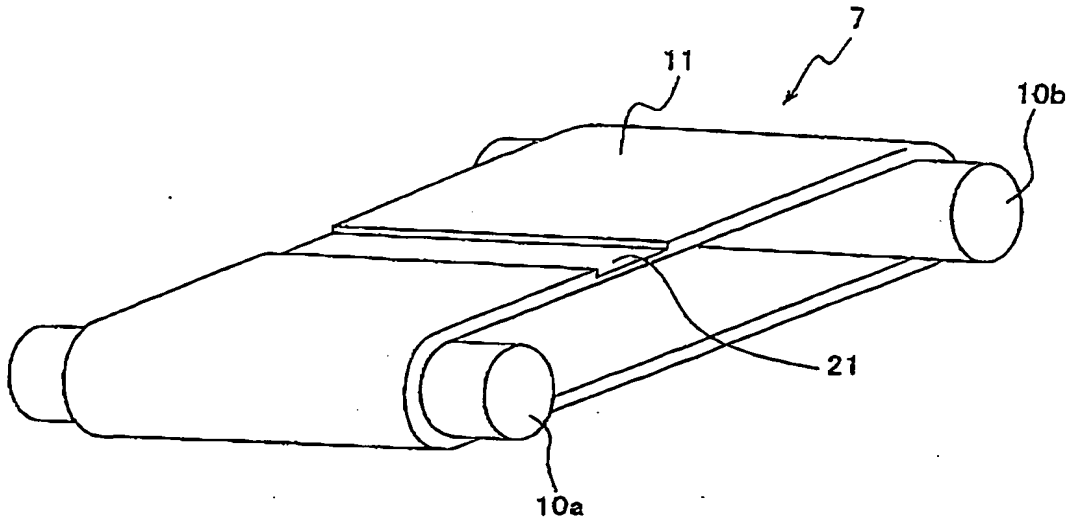
S31 FORWARD RUN BELT  
S32 FLUSHING AREA DETECTED  
S33 START COUNTER  
S34 INSERT PAPER  
S35 FLUSHING TIMING REACHED FOR EACH INK HEAD?  
S36 PERFORM SIMULTANEOUS FLUSHING  
S37 COMPLETED FOR ALL INK HEADS?  
S38 PAPER DETECTED?  
S39 PRINT ONE IMAGE  
S40 PERFORM IMAGE-TO-IMAGE FLUSHING  
S41 AS MANY IMAGES AS SPECIFIED NUMBER PRINTED?  
S42 STOP BELT  
S43 PAPER CUT?  
S44 REWIND  
S45 COMPLETELY EJECTED?  
S46 FORWARD RUN BELT  
S47 FLUSHING AREA DETECTED?  
S48 START COUNTER  
S49 FLUSHING TIMING REACHED FOR EACH INK HEAD?  
S50 PERFORM SIMULTANEOUS FLUSHING  
S51 COMPLETED FOR ALL INK HEADS?  
  
END

118-1

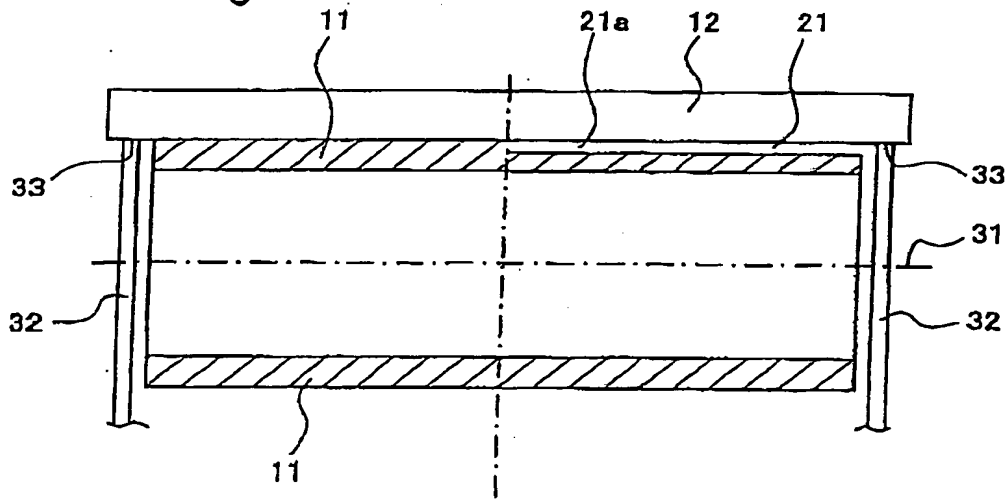


【図2】

Fig. 2



【図3】 Fig. 3



【図4】

Fig. 4

【図5】

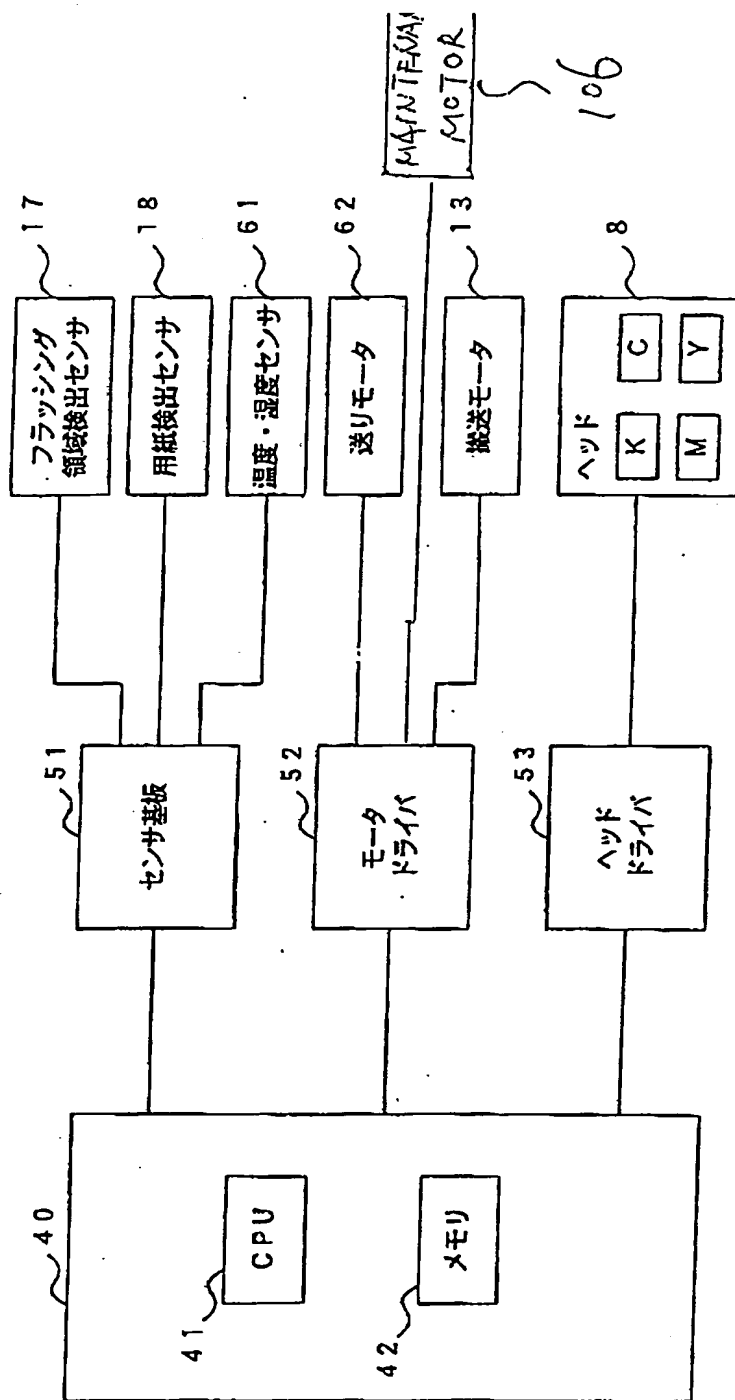


Fig. 5

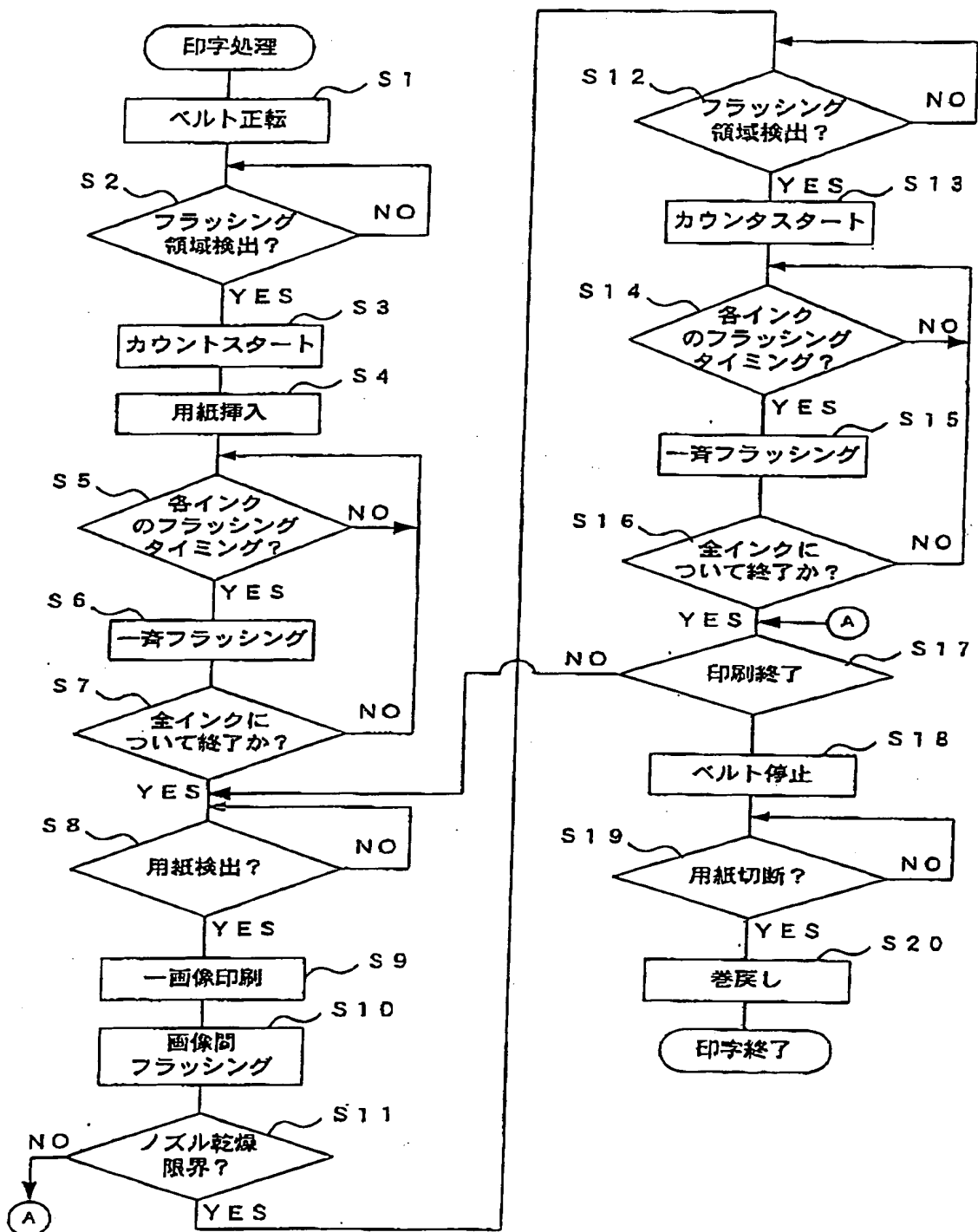
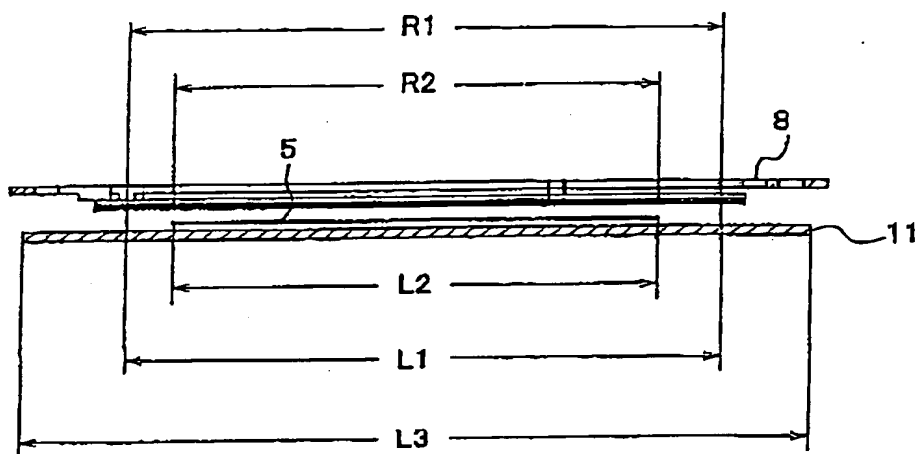


Fig. 6

【図6】



【図7】



Fig. 7A

(a)

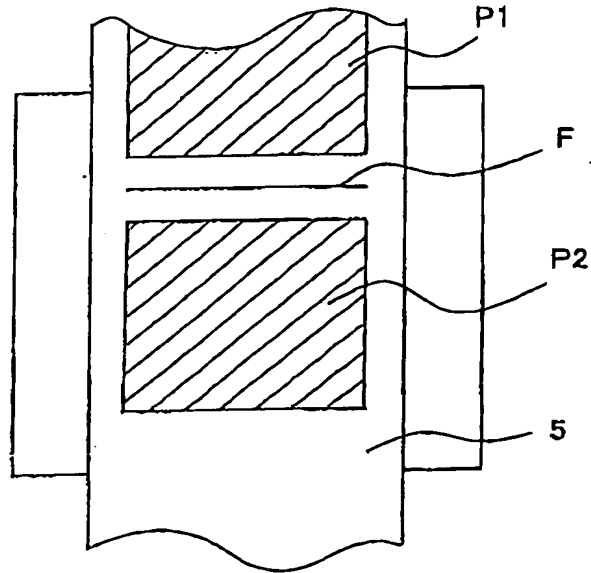


Fig. 7B

(b)

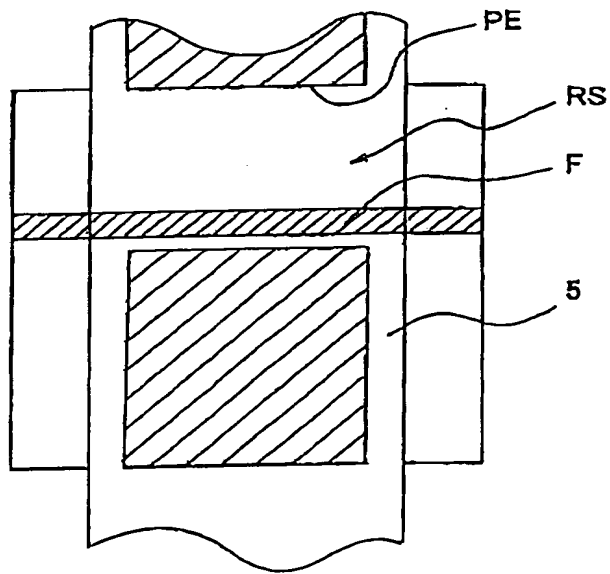
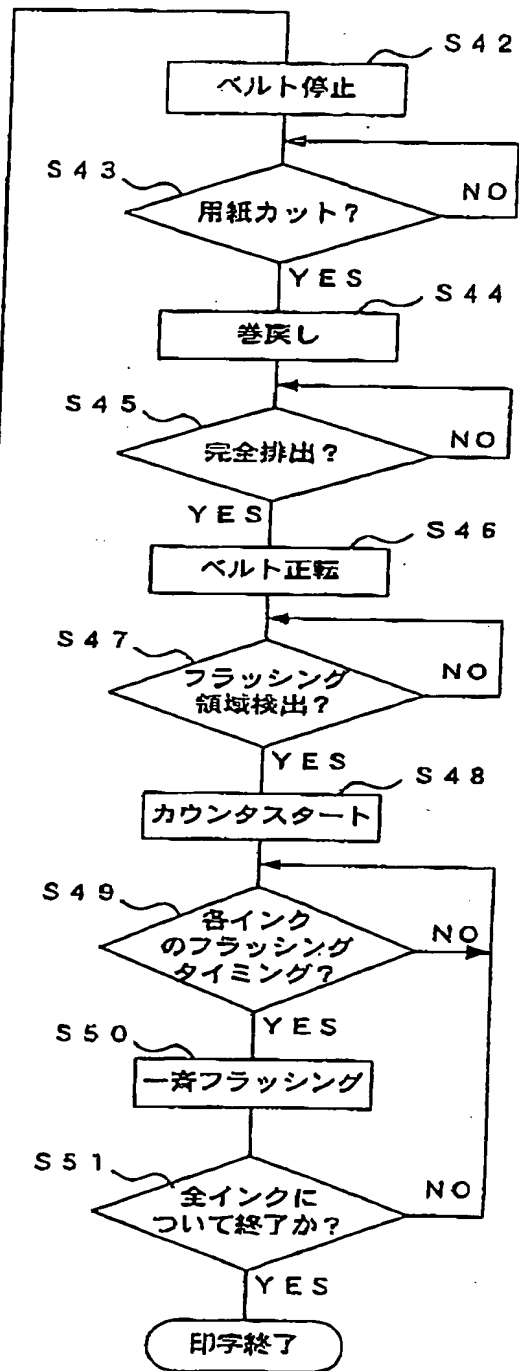
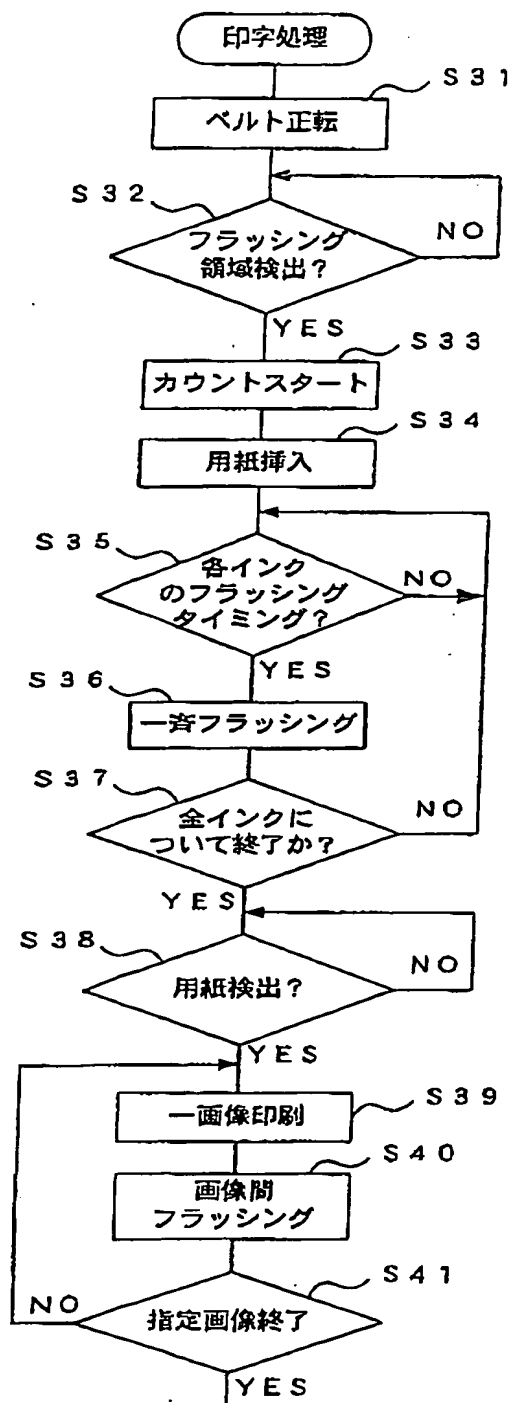


Fig. 8



【図9】

Fig. 9

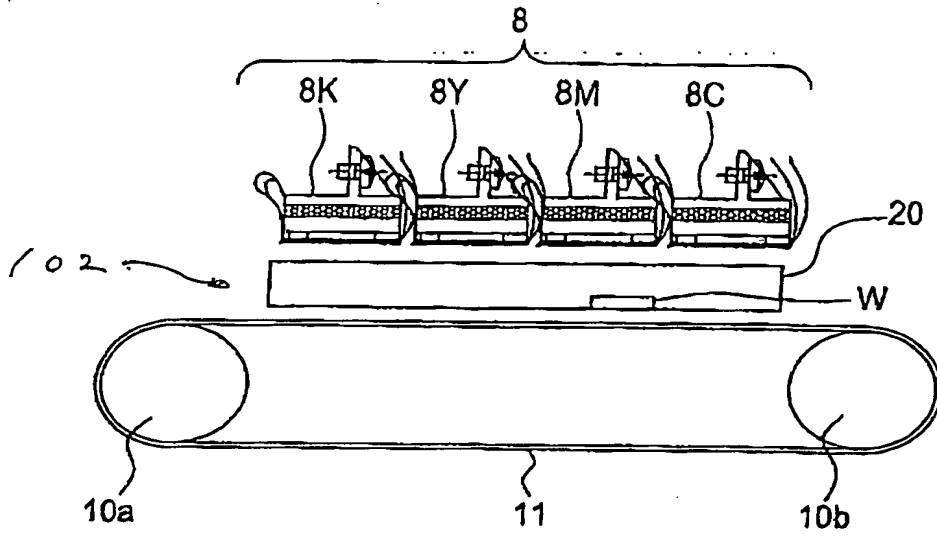


Fig. 10

